

EXHIBIT 11

UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

JDS UNIPHASE CORPORATION
Petitioner

v.

CAPELLA PHOTONICS, INC.
Patent Owner

Case IPR2015-00731
Patent RE42,368

**DECLARATION OF DR. ALEXANDER V. SERGIENKO
IN SUPPORT OF THE PATENT OWNER RESPONSE**

Mail Stop “Patent Board”
Patent Trial and Appeal Board
U.S. Patent and Trademark Office
P.O. Box 1450
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Capella 2022
JDS Uniphase v. Capella
IPR2015-00731

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I, Dr. Alexander V. Sergienko, declare as follows:

I. INTRODUCTION

1. My name is Alexander V. Sergienko. Capella Photonics, Inc. has retained me as an expert witness. I have been asked to provide my expert opinion on the validity of claims 1-6, 9-13, and 15-22 of U.S. Patent No. RE42,368 to Chen *et al.* (“368 patent”).
2. I am being compensated for my work at a rate of \$400 per hour. My compensation is not contingent upon and in no way affects the substance of my testimony.

II. QUALIFICATIONS

3. I received my Ph.D. in Physics from Moscow State University in 1987 and my Master of Science Degree in Physics from Moscow State University in 1981.
4. I am currently a full professor at Boston University where I hold joint appointments in the Photonics Center, the Department of Electrical and Computer Engineering, and the Department of Physics. My expertise and research interests include optics, photonics, quantum physics, laser physics, nonlinear optics, and precise optical measurement in telecommunication and optical engineering.
5. I have experience and familiarity with the technical areas involved in this case. With over 30 years of research experience in the field of optics, I have

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XIII. CONCLUSION

223. In signing this declaration, I recognize that the declaration will be filed as evidence in a contested case before the Patent Trial and Appeal Board of the United States Patent and Trademark Office. I also recognize that I may be subject to cross-examination in the case and that cross-examination will take place within the United States. If cross-examination is required of me, I will appear for cross-examination within the United States during the time allotted for cross-examination.

224. I hereby declare under penalty of perjury under the laws of the United States of America that the foregoing is true and correct, and that all statements made of my own knowledge are true and that all statements made on information and belief are believed to be true. I understand that willful false statements and the like are punishable by fine or imprisonment, or both (18 U.S.C. § 1001).

225. Executed this 1 day of Dec in 2015.

Respectfully submitted,



Alexander V. Sergienko, Ph.D.